

**HARBOR ISLAND S&G OU  
QUARTERLY PROGRESS REPORT  
April 2018**

*Prepared by de maximis, inc.*

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**PROJECT NAME:** Harbor Island Soil and Groundwater Operable Unit (S&G OU)  
Harbor Island Superfund Site  
Seattle, Washington

**PERIOD COVERED:** January through March 2018

The information provided on groundwater monitoring and specific design sets is based on information reported from the consultants listed below.

- Groundwater Monitoring: AECOM  
on behalf of the Harbor Island S&G OU Group
  
- Design Set 1A: Floyd Snider  
on behalf of Vigor Shipyards
  
- Design Set 2: AECOM  
on behalf of Port of Seattle
  
- Design Set 3: Floyd Snider  
on behalf of Vigor Shipyards

**ACTIONS TAKEN TOWARD COMPLIANCE WITH DECREE DURING QUARTER:**

**GENERAL:**

No activities were completed during this period

**Groundwater Monitoring Program:**

The long-term groundwater monitoring program is scheduled to run through 2035. The next annual groundwater monitoring event is scheduled for May or June 2018

**SPECIFIC DESIGN SETS:**

**Design Set 1:**

- Completed.

**Design Set 1A:**

- The West Shed system is currently intermittently operational, as FW-17 and FW-19 groundwater pumps and skimmers are routinely shut-off, as necessary, to allow for LNAPL re-accumulation. The FW-19 passive skimmer will be continually monitored for LNAPL re-accumulation.
- The East Shed recovery system remains shut down due to absence of LNAPL in wells FW-3, FW-20, and FW-21. These wells are considered inactive and are now monitored on a quarterly basis. The status of the East Shed recovery system remains unchanged since the system became inactive in November 2014. Currently, the East Shed remains in place and a schedule has not been determined to date for its disassembly.

**Design Set 2:**

- Completed.

**Design Set 3:**

- Completed.

**ACTION ITEMS FOR NEXT QUARTER (*April – June 2018*):**

**Groundwater Monitoring Program:**

The annual groundwater sampling event will be completed in the dry season of 2018 per Addendum 1 to the Groundwater Monitoring Plan, Revision 3. At the request of EPA, the Harbor Island Soil and Groundwater Operable Unit and the Lockheed Operable Unit will coordinate to the extent practicable to synchronize groundwater sampling events. This year's sampling will be completed either in May or June during the lower low tidal window. May and June are within the dry season as confirmed in the Technical Memorandum for Groundwater Monitoring Reduction for Harbor Island Soil and Groundwater Operable Unit (AECOM dated August 25, 2015).

**SPECIFIC DESIGN SETS:**

**Design Set 1:**

- Completed.

**Design Set 1A:**

- The West Shed system is currently intermittently operational, as FW-17 and FW-19 groundwater pumps and skimmers are routinely shut-off, as necessary, to allow for LNAPL re-accumulation. The FW-19 passive skimmer will be continually monitored for LNAPL re-accumulation.
- The East Shed recovery system remains shut down due to absence of LNAPL in wells FW-3, FW-20, and FW-21. These wells are now considered inactive and are now monitored on a quarterly basis. Currently, the East Shed remains in place and a schedule has not been determined to date for its disassembly.
- Submit the quarterly report on the operation of the LNAPL Recovery System to USEPA.

**Design Set 2:**

- Completed.

**Design Set 3:**

- Completed.

**PROJECT COMPLETION:**

Design Set	Remedial Design	Remedial Action
Design Set 1 - <ul style="list-style-type: none"><li>• T18</li><li>• T18D</li></ul>	100% 100%	100% 100%
Design Set 1A	100%	95%
Design Set 1B	100%	100%
Design Set 2	100%	100%
Design Set 3-TPH Hot Spot at Vigor	100%	100%

- Groundwater Monitoring Program 40%

**ANTICIPATED DELAYS/PROBLEMS:**

- None.

**RESULTS OF SAMPLING/TESTING/FIELD MEASUREMENTS:**

- **Groundwater Monitoring Program:**
- The 2017 Annual Groundwater Monitoring Report was completed and submitted to US EPA on August 23, 2017. The next annual groundwater monitoring event is scheduled for May or June 2018

**Design Set 1A**

- Detailed reporting of product recovery operations for this period will be included in the next quarterly LNAPL Recovery System progress report submitted directly to USEPA by Vigor Shipyard.